

Attorney's Docket No.: 10559-230001/P8462

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method comprising:
determining an amount of available bandwidth;
specifying a single bandwidth for each of multiple layers of digital video based on the amount of available bandwidth;
selecting threshold values based upon the amount of available bandwidth for each of the multiple layers; and
forming multiple layers of digital video enhancement data based on magnitudes of data coefficients in digital video greater than the selected threshold for each multiple layer, each of the multiple layers consuming substantially the specified bandwidth.

2. (Canceled).

3. (Currently Amended) The method of claim 1 further comprising:
transmitting the layer of video enhancement data over a digital communication channel; and
transmitting the threshold value over the digital communication channel.

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4. (Currently Amended) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

determine an amount of available bandwidth;

specify a single bandwidth for each of multiple layers of digital video based on the amount of available bandwidth;

select threshold values based upon the amount of available bandwidth for each of the multiple layers;

form multiple layers of digital video enhancement data based on magnitudes of data coefficients in digital video greater than the selected threshold for each multiple layer,
each of the multiple layers consuming substantially the specified bandwidth.

5. (Canceled).

6. (Currently Amended) The article of claim 4 5, the instructions further causing the machine to:

transmit the layer of video enhancement data over a digital communication channel; and

transmit the threshold value over the digital communication channel.

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7-18. (Canceled).

19. (Currently Amended) A method comprising:

generating from a source video sequence a digital base video signal;

generating from the source video sequence a body of digital video enhancement data; and

generating from the body of digital video enhancement data plural layers of digital video enhancement data by:

specifying a single substantially equal bandwidth for each of the plural layers based on an amount of available bandwidth;

selecting threshold values based upon the amount of available bandwidth for each of the plural layers; and

forming plural layers of digital video enhancement data based on magnitudes of data coefficients in the body of digital video enhancement data greater than the selected threshold for each plural layer, ~~each of the plural layers consuming substantially a single specified bandwidth based on an amount of overall available bandwidth.~~

20. (Currently Amended) The method of claim 19, wherein the body of digital video enhancement data includes a plurality of magnitudes, and wherein forming plural layers of digital

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video enhancement data based on magnitudes of data coefficients
in the body of digital video enhancement data greater than the
selected threshold for each plural layer ~~generating a layer of~~
~~digital video enhancement data~~ comprises:

~~selecting a threshold value; and~~

forming plural ~~a layers~~ of digital video enhancement data
comprising a '1' bit for each magnitude greater than or equal to
the threshold value.

21 - 31. (Canceled)

32. (Previously presented) A method as in claim 1, wherein
said forming comprises forming multiple layers which have
digital ones and digital zeros, and wherein each of said
multiple layers include substantially the same number of digital
ones.

33. (Canceled)

34. (Previously presented) An article as in claim 4,
wherein said instructions to form comprise forming multiple
layers which have digital ones and digital zeros, and wherein
each of the layers has a substantially similar number of digital
ones.

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35-39. (Canceled)

40. (New) An apparatus comprising:

means for determining an amount of available bandwidth;

means for specifying a single bandwidth for each of multiple layers of digital video based on the amount of available bandwidth;

means for selecting threshold values based upon the amount of available bandwidth for each of the multiple layers; and

means for forming multiple layers of digital video enhancement data based on magnitudes of data coefficients in digital video greater than the selected threshold for each multiple layer, each of the multiple layers consuming substantially the specified bandwidth.

41. (New) The apparatus of claim 40, further comprising:

means for transmitting the layer of video enhancement data over a digital communication channel; and

means for transmitting the threshold value over the digital communication channel.

42. (New) The apparatus of claim 41, wherein said means for said forming comprises forms multiple layers which have

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digital ones and digital zeros, and wherein each of said multiple layers include substantially the same number of digital ones.

43. (New) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

generate from a source video sequence a digital base video signal;

generate from the source video sequence a body of digital video enhancement data; and

generate from the body of digital video enhancement data plural layers of digital video enhancement data by:

specifying a single substantially equal bandwidth for each of the plural layers based on an amount of available bandwidth;

selecting threshold values based upon the amount of available bandwidth for each of the plural layers; and

forming plural layers of digital video enhancement data based on magnitudes of data coefficients in the body of digital video enhancement data greater than the selected threshold for each plural layer.

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44. (New) The method of claim 43, wherein the body of digital video enhancement data includes a plurality of magnitudes, and wherein forming plural layers of digital video enhancement data based on magnitudes of data coefficients in the body of digital video enhancement data greater than the selected threshold for each plural layer comprises:

forming plural layer of digital video enhancement data comprising a '1' bit for each magnitude greater than or equal to the threshold value.

45. (New) An apparatus comprising:

means for generating from a source video sequence a digital base video signal;

means for generating from the source video sequence a body of digital video enhancement data; and

means for generating from the body of digital video enhancement data plural layers of digital video enhancement data comprising:

means for specifying a single substantially equal bandwidth for each of the plural layers based on an amount of available bandwidth;

means for selecting threshold values based upon the amount of available bandwidth for each of the plural layers; and

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means for forming plural layers of digital video enhancement data based on magnitudes of data coefficients in the body of digital video enhancement data greater than the selected threshold for each plural layer.

46. (New) The apparatus of claim 45, wherein the body of digital video enhancement data includes a plurality of magnitudes, and wherein the means for forming plural layers of digital video enhancement data based on magnitudes of data coefficients in the body of digital video enhancement data greater than the selected threshold for each plural layer comprises: means for forming plural layers of digital video enhancement data comprising a '1' bit for each magnitude greater than or equal to the threshold value.